TechTIPS

JUNE 2003

Subaru Service / Technical Support Line Newsletter

15 04 IMPREZA TRAILER HITCH INSTALLATION PRECAUTIONS

There is new cutting procedure for installing a trailer hitch on a 04 Impreza. When a technician makes the cut to the bumper fascia, caution must be taken to ensure that the plastic tabs on the left and right side of the bumper do not get cut off. The left and right side plastic tabs act as reinforcement and help hold the bumper in place.

Fig. 1 shows an Impreza wagon bumper before cutting. Fig. 1 also has a rough line drawn in to identify the line when cutting.

Fig 1

continued on page 2...

10 A/C REMINDER

It's that time of year again.

Time to dust off the A/C equipment.

That includes checking your recycling equipment to make sure it's ready to go and that it's been **properly calibrated.**

The Technical Support Line gets calls addressing A/C performance concerns and in talking with the tech, we find that the A/C is either under or overcharged because the recycling equipment hasn't been calibrated to recharge the system properly after it was evacuated for servicing.

Another helpful hint is the Special A/C Supplement, originally published in 1994 and updated in 2000. Sure, that was a long time ago, but it contains all the information we have published on A/C and puts it in one handy source for quick reference. Plus, it's the ONLY place you can fine those rare and often sought after Justy A/C wiring diagrams.

Look for it, dust it off, and study up for A/C 101.

Additional A/C information can be found in the following Service Bulletins:

10-70-00: 2001MY Legacy and Outback; A/C Relay Disconnection

10-71-00: Some 2000MY Legacy Vehicles; *Recirculation Door Actuator Noise*

10-72-02: All 2002-2003MY Impreza Vehicles up to VIN 3*511336 & 3*801514; *Countermeasure to Prevent Icing in the Evaporator on Air Conditioned Vehicles*

10-73-02: All 2003 Legacy and Baja Vehicles; *A/C System Relay Storage and Activation During PDI*

10-74-02: 2001-2002MY H-6 Legacy Vehicles; *Legacy H-6 Air Conditioner Compressor Revolution Sensor*

AUTOMOTIVE Youth Educational Systems PROUD PARTNER

SUBARU QUALITY DRIVEN® SERVICE

CAUTION: VEHICLE SERVICING PERFORMED BY UNTRAINED PERSONS COULD RESULT IN SERIOUS INJURY TO THOSE PERSONS OR TO OTHERS.

Subaru Technical Support T.I.P.S. are intended for use by professional technicians ONLY. They are written to inform those technicians of conditions that may occur in some vehicles, or to provide information that could assist in the proper servicing of the vehicle. Properly trained technicians have the equipment, tools, safety instructions, and knowhow to do the job correctly and safely. If a condition is described, DO NOT assume that this Technical Support T.I.P.S. applies to your vehicle, or that your vehicle will have that condition. Impreza, Legacy, Justy, Loyale, Outback, Forester, Subaru SVX, WRX, L.L. Bean, Baja, "Quality Driven" and "The Beauty of All Wheel Drive" are Registered Trademarks.

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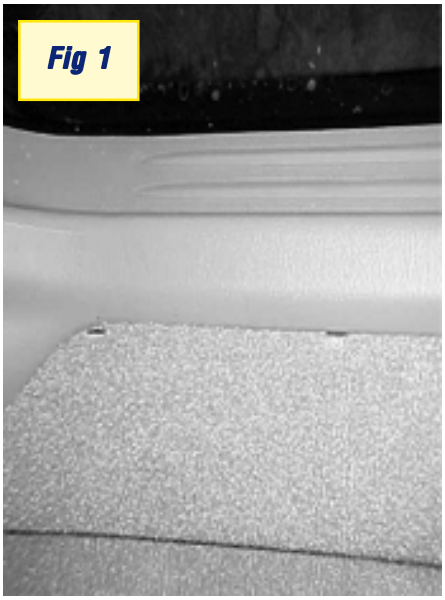
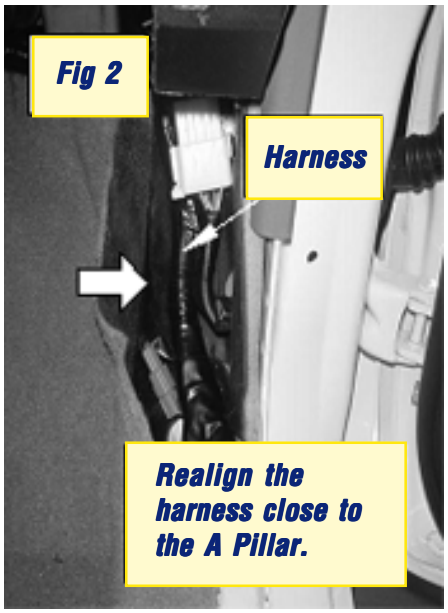
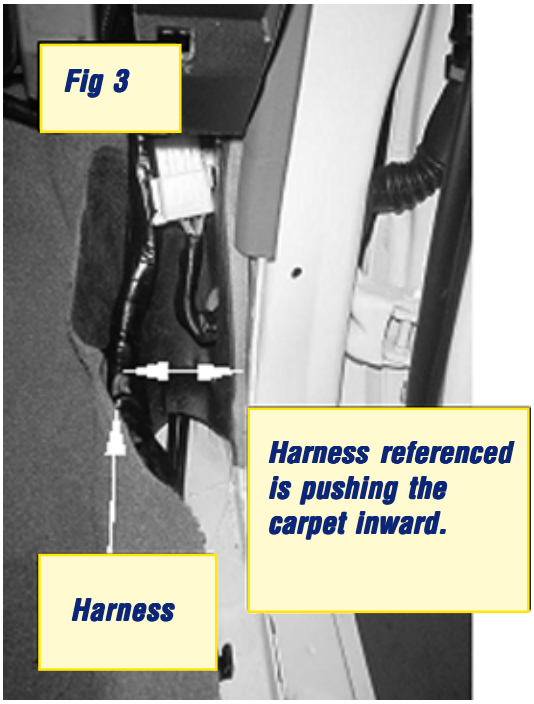
15 03MY FORESTER –CARPET STAPLE VISIBLE NEAR SIDE-SILL TRIM COVER

Only noticeable on the right front passenger side of the vehicle, a customer may have a concern with carpet staple visibility (see fig. 1, below). Please check the location of the rear harness. If the harness is aligned properly (see fig. 2), the carpet staples are located under the side-sill trim cover and cannot be visible. If you find the problem (see fig. 3), please remove the side-sill trim cover and realign the harness. You do not need to replace any parts.







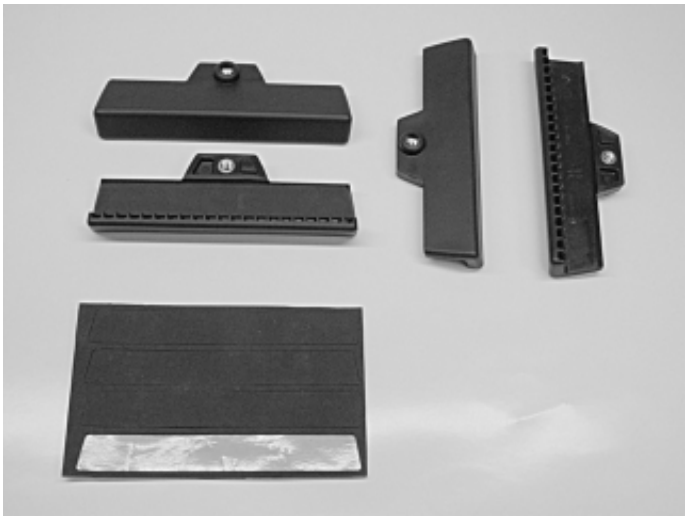
TRAILER HITCH INSTALLATION... continued from page 1

Fig. 2 and Fig. 3 depict a finished cut and expose the right side tabs. Be sure when you cut the bumper fascia to keep the tool parallel to the ground. This avoids cutting the tabs. Some of the tools that can be used to cut the bumper fascia are pictured in fig. 4.

For complete details, please refer to the installation instructions included in the trailer hitch kit or download them from www.subarunet.com.

15 CROSSBAR PARTS AVAILABILITY

If you were to encounter a stripped brass insert on the rear clamp of any authorized Subaru Crossbar system, the lower clamp, lower clamp adhesive pad, and an M6 torx bolt can be ordered separately. It is not necessary to order the entire crossbar kit. For additional information regarding specific part numbers or availability, please see your parts counter representative. For specific installation instructions, please download the information from our web-site at www.subarunet.com



E3610LS360: Baja Lower Clamp Pad
E3610LS330: Baja Lower Clamp RH
E3610LS340: Baja Lower Clamp LH

E3610AS740: Outback & Impreza Clamps RH/LH
E3610LS050: Outback & Impreza Lower Clamp Pads

E361SSA040: Forester Clamp LH
E361SSA030: Forester Clamp RH
E361SSA060: Forester Pad Snap In

TechTIPS LOCATOR INDEX REMINDER

This is the Summer edition of the Technical Support T.I.P.S Locator Index. The next Locator index will be printed in December 2003. Please note that this, and future editions, will contain information only going back to 1995. A previous edition, published in June 2000, contained information dating back to 1991. We hope you held on to it.

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DIAGNOSTIC TROUBLE CODES AFTER WWK-94 ..... 05/03
ECM CALIBRATION IDENTIFICATION NUMBERS 05/03
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12-BODY, GLASS, & UPHOLSTERY

1995 SUBARU LEGACY "FLUTTERING" NOISE 08/95
SUBARU OUTBACK FRONT LICENSE PLATE MOUNTING KIT 10/95
WINTER DRIVING TIP, INTERIOR WINDOW FOGGING 01/96
FOGGY FILM ON WINDOWS 01/96
LEGACY WIND NOISE 02/96
WATER IN THE ROCKER PANELS 07/96
LOOSE BOLTS ON WINDOW REGULATORS 09/96
POOR DRAINAGE FROM ROCKER PANELS: 1995/96 LEGACY MODELS 09/96
'97 LEGACY BODY CREAKING NOISE, RH SIDE ROCKER PANEL AREA 02/97
PROPER OPERATION OF SEAT BELTS, ELR VS. ALR 08/97
NEW CUP HOLDER FOR '98MY LEGACY 11/97
REPLACEMENT WIPER BLADE REFILLS 09/98
IMPROPER DRIVER'S SIDE WINDOW OPERATION 10/98
1999MY IMPREZA WIND NOISE 01/99
BUMPER COVER INSTALLATION TIP 02/99
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TETHER ANCHOR POINTS 1995 – 1999MY LEGACY SEDAN/SUS 07/99
2000MY LEGACY FRONT LICENSE PLATE MOUNTING 09/99
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FORESTER TAILGATE SQUEAKS/RATTLES/POPPING 11/99
METALLIC WINDOW TINT FILMS 04/00
FRONT LICENSE PLATE MOUNTING FOR 2001MY FORESTER 04/00
WIND NOISE/CROSSBAR INSTALLATION 08/00
INOPERATIVE WINDSHIELD WASHERS 02/01
WRX ALUMINUM HOOD PRECAUTION 10/01
2002MY IMPREZA SEDAN TRUNK LOCK CYLINDER 01-02/02
WINDSHIELD WIPER WASHER CONNECTION 11/02
SOUND DAMPENING PAD 04/03

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'95 LEGACY OUTBACK PAINT 01/95
CORRECTION TO SERVICE BULLETIN 13-67-95R 11/95
HELPLINE UPDATE 01/96
WATER SPOTTING ON PAINTED SURFACES 09/96
PAINT PROCEDURES FOR SUBARU BUMPERS 08/01

14-SPECIAL TOOLS

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2001MY SUBARU FORESTER SELECT MONITOR CARTRIDGE 02/00
NEW SELECT MONITOR REPAIRS – AN UPDATE 11/00
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SUBARU FUEL INJECTOR CLEANER TOOL 05/01
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15-ACCESSORY

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CRUISE CONTROL AND THE USE OF THE SELECT MONITOR 04/95
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1995 LEGACY LSi SECURITY SYSTEM MODULE I/O CHART 04/95
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IMPREZA FOGLIGHT INSTALLATION 05/95
RADIO NOISE 06/95
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1995 SUBARU LEGACY CRUISE CONTROL 06/95
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LEGACY REMOTE KEYLESS ENTRY SYSTEM 12/95
LEGACY KEYLESS ENTRY DIAGNOSIS 01/96
LEGACY ACCESSORY KEYLESS ENTRY SYSTEM 01/96
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‘ 95 & UP LEGACY LSi KEYLESS REMOTE SYSTEM 04/96
KEYLESS ENTRY ERRATIC TRANSMITTER OPERATION 05/96
MODIFICATION TO KEYLESS ENTRY SYSTEM INSTRUCTIONS 05/96
REVISED 1996 1/2 AND 1997 LEGACY CRUISE CONTROL SUPPLEMENTAL INSTALLATION INSTRUCTIONS . 07/96
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‘97 LEGACY KEYLESS ENTRY 08/96

LEGACY OUTBACK TRAILER HITCH HARNESS 08/96
LEGACY OUTBACK CROSSBAR INSTALLATION TIPS 08/96
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H7110AS000 AND H7110AS300 FOR 1995 AND 1996 LEGACY 02/97
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1997MY LEGACY KEYLESS ENTRY/SECURITY SYSTEM PROGRAMMING BUTTON LOCATIONS 02/97
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1999 2.2L 4EAT SUBARU LEGACY MODELS HARSH DOWNSHIFTING 09/98
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2003 CALENDAR OF SUBARU HOLIDAYS

New Year's Day
Wednesday, January 1, 2003

Presidents' Day
Monday, February 17, 2003

Memorial Day
Monday, May 26, 2003

Independence Day
Friday, July 4, 2003

Labor Day
Monday, September 1, 2003

Thanksgiving
Thursday, November 27, 2003
Friday, November 28, 2003

Christmas
Thursday, December 25, 2003
Friday, December 26, 2003

New Year's Day
Thursday, January 1, 2004

"TechTIPS" INPUT & SUGGESTIONS

This is **your** chance to offer suggestions for use in future issues of *TechTIPS!*

MODEL: _____

YEAR: _____

VIN: _____

Description of situation encountered: _____

_____

_____

_____

Your suggestion for repair procedure, product improvements, etc.:

_____

_____

_____

_____

_____

Please attach separate sheets, if necessary. You may also want to include Service Manual diagrams or references, or your own drawings to assist in describing your suggestion. All information submitted becomes the property of Subaru of America, Inc. Permission is granted to Subaru of America, Inc. to print your name and suggestions in T.I.P.S. and other Subaru of America, Inc. publications. Mail items to: PO Box 6000, Cherry Hill, NJ 08034-6000.

Your Name: _____ **Signature:** _____

Dealer's Name: _____ **City:** _____

Date: _____ **Dealer Code:** _____